

WHAT IS CLAIMED IS:

- 1 1. A gateway, comprising:
 - 2 a command interpreter engine to detect keywords in speech input;
 - 3 a search and analysis engine to search a network for contents based on the
 - 4 keywords; and
 - 5 a transformation engine to convert a data format used in the contents retrieved
 - 6 from the network into a format supported by a client device.
- 1 2. The gateway of claim 1, wherein the transformation engine is to convert an image from
- 2 one format into another format.
- 1 3. The gateway of claim 1, further comprising:
 - 2 a service sniffer to distinguish between different inputs from different clients and
 - 3 to direct the different inputs to appropriate services within the gateway.
- 1 4. The gateway of claim 3, wherein the service sniffer is to direct telephone services to a
- 2 voice portal.
- 1 5. The gateway of claim 3, wherein the service sniffer is to direct DSR (distributed speech
- 2 recognition) services to a DSR portal.
- 1 6. The gateway of claim 3, further comprising:
 - 2 a quality of service daemon to receive quality of service requesting information
 - 3 from the client.
- 1 7. The gateway of claim 6, wherein the quality of service daemon is further to adjust
- 2 quality of service parameters of the client device according to network conditions and
- 3 then to send the adjusted quality of service parameters to the client device.

1 8. The gateway of claim 1, further comprising:

2 a text-to-speech engine to translate text in the contents into audio speech.

1 9. The gateway of claim 1, further comprising:

2 a speech coder to compress audio to accommodate bandwidth of a transmission
3 medium between the client device and the gateway.

1 10. The gateway of claim 1, further comprising:

2 a publish rendering engine to convert a display page into multiple pages.

1 11. The gateway of claim 1, further comprising:

2 a publish rendering engine to convert a display line into multiple lines.

1 12. A method, comprising:

2 extracting a feature from user input;

3 translating the feature into a request;

4 retrieving contents from a network based on the request; and

5 adapting the contents to a client.

1 13. The method of claim 12, wherein the adapting further comprises converting text to
2 audio speech.

1 14. The method of claim 12, wherein the adapting further comprises adapting the contents
2 to a screen size of the client.

1 15. The method of claim 12, wherein the adapting further comprises adapting the contents
2 to a screen resolution of the client.

1 16. The method of claim 12, wherein the adapting further comprises adapting the contents
2 to a color depth of the client.

- 1 17. The method of claim 12, wherein the adapting further comprises converting a display
2 page into multiple pages.
- 1 18. The method of claim 12, wherein the adapting further comprises converting a display
2 line into multiple lines.
- 1 19. The method of claim 12, wherein the user input comprises an address of the contents.
- 1 20. The method of claim 19, wherein the address is a uniform resource locator.
- 1 21. The method of claim 12, wherein the feature further comprises at least one keyword in
2 the user input.
- 1 22. A program product comprising signal-bearing media, wherein the signal-bearing
2 media comprises instructions, wherein the instructions when read and executed comprise:
3 extracting a feature from user speech;
4 translating the feature into a request;
5 retrieving contents from a network based on the request; and
6 adapting the contents for transmission to a telephone.
- 1 23. The program product of claim 22, wherein the feature comprises a keyword to be
2 searched.
- 1 24. The program product of claim 22, wherein the adapting further comprises:
2 translating text in the contents into audio speech.